

## METHOD AND APPARATUS FOR GENERATING SURROUND-SOUND DATA

### ABSTRACT OF THE DISCLOSURE

A surround-sound circuit has a delay time memory (31) for storing a digital audio input signal IN, and outputs the stored input signal as a surround-sound signal a predetermined time later. The input signal is compressed by a compressor (32) in the form of ADPCM encoder before it is stored in the memory (31), and the compressed signal retrieved from the memory is expanded by an expander (33) in the form of ADPCM decoder before it is added to the input signal. The invention may reduce appreciably the amount of data to be stored in the memory, and hence the storage capacity of the RAM, without directly loping the audio input signal IN and hence avoiding appreciable deterioration of the signal IN.